

FOLIO

University Gains Microelectronics Centre

The gathering bespoke the disclosure of important news. The Hon. H.A. (Bud) Olson, Minister of State for Economic Development, was at University House on 26 June. Also present were President Horowitz; Dean Adams, Faculty of Engineering; John Schlosser, Chairman of the Board of Governors; C.R. James, Chairman of the Department of Electrical Engineering; and representatives of private industry and the City of Edmonton.

Shortly after 10 a.m., Mr. Olson made the announcement that perked up ears and set fingers to writing: a federally funded Microelectronics Centre of Technology will be established at The University of Alberta. Up to \$1 million will be allocated to the Centre over the next five years to help industry in Western Canada apply microelectronics to products and manufacturing processes, Mr. Olson said.

The University of Alberta was selected as one of six Canadian universities to house Microelectronics Centres. "Your University had all the criteria we were looking for," Mr. Olson stated. Of particular import are the existing capabilities in the industrial application of microelectronics. Other favorable aspects include the growth of the industrial region, the size of the Department of Electrical Engineering, and the degree program in microelectronics.

The Centre will likely be contained on the fifth floor of the Civil/Electrical Engineering Building. A director, manager, and other staff will be hired by the Centre and the Departments of Electrical Engineering and Com-

puting Science will provide assistance.

Dr. James said the success of the Centre depends upon "getting industry involved." This involvement, he believes, will be effected through the ties which exist between the faculty in the two departments, through the director of the Centre who will actively seek out industries that could use the technology, and through the cooperative education program within the Faculty of Engineering.

The Centre's mandate includes the provision of consulting services and technical assistance

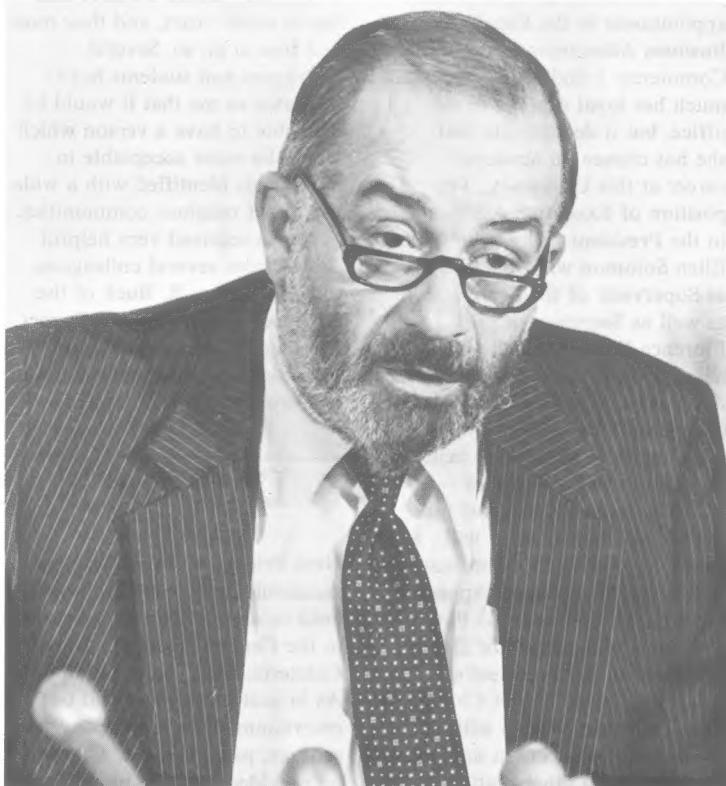
to industry as well as the provision of an "update and awareness" service to business and industry through workshops, short courses, and seminars.

The Centre will provide a microprocessor hardware development facility where users can take their ideas from inception through to prototyping and testing with the assistance of skilled professional and technical staff, Dr. James said.

Mr. Olson stressed that the productivity and competitiveness of all industry sectors in Alberta will be enhanced by the effective

use of microelectronics. It is expected that the new Centre will assist in particular petrochemical and related industries in Alberta.

At the same news conference, the Minister announced that a grant of \$1,125,000 for criminology research over the next three years would be divided among seven centres across Canada. As one of the recipients, The University of Alberta will get \$25,000 per year for three years, beginning with the 1981-82 fiscal year. □



Senator Olson announcing acquisition of Microelectronics Centre.

General Faculties Council

The regular monthly meeting of GFC was held on Monday, 29 June. The following items were among those considered.

New Members

The following faculty members have been elected to serve on Council: M.M. Micko, Agricultural Engineering; J. Warwaruk, Civil Engineering; U.M. Maydell, Computing Science; I. Ivankovich, Industrial and Legal Relations; A.N.B. Nedd, Organizational Analysis; K.M. Bagnall, Anatomy; and J. H. Weiner, Biochemistry. Each appointment began 1 July 1981 and extends to 30 June 1984 with the exception of Mr. Ivankovich's which concludes 30 June 1983.

R.E. Banks, Libraries, was appointed by Council to a three-

year term effective 1 July 1981, and P.C. Sartoris, Acting Dean of Students, was appointed to sit on GFC beginning 1 July 1981 and ending when a new Dean of Students takes office.

New Programs

Acting on recommendations from the Planning and Priorities Committee, Council approved the establishment of two PhD programs, one in Business Management and the other in Forest Science.

The former was endorsed with the proviso that the University receive special funding for it as a new program, and the details of the request for special funding be reviewed. The Forest Science program is, for the immediate future at least, without space or equipment implications that would prevent it from getting underway.

The planned starting date for both programs is September 1981. Should it become a reality, the doctoral program in Business Management would be the first such venture on the Prairies.

The Faculty of Business Administration and Commerce said the program's research component

would focus on Alberta's and Canada's business and industrial issues and provide much needed expertise in light of Alberta's quest for business growth and development.

The intent of the Forest Science program is to develop students' understanding of the biophysical systems of forests and forest communities and apply this knowledge to the solving of forest resource management problems.

Undergraduate Teaching Awards

Awards for excellence in undergraduate teaching are to be instituted at this University. The concept emanated from the GFC Committee for the Improvement of Teaching and Learning (CITL)

and reached GFC after nearly two years of thought, investigation, and discussion.

According to CITL, the purpose of the awards is to recognize teaching excellence publicly, to publicize such excellence to the University and the wider community, to encourage the pursuit of such excellence, and to promote informed discussion of teaching and its improvement at The University of Alberta.

A committee will be struck to choose the recipients of the awards and the awards will be presented annually at Convocation. The fine details surrounding the awards will be deliberated at the October 1981 meeting of GFC.

Terry Fox

Council expressed heartfelt admiration of Terry Fox and the immense courage he displayed in his battle with cancer. □

Board/NASA Settlement

Money talks and what it's saying at The University of Alberta is that members of the Non-Academic Staff Association will receive across-the-board scale adjustments of 12.7 percent effective 1 April 1981. The recent issuing of the award by the Arbitration Board cements the 1981-82 Board of Governors/NASA Agreement. □

News From University Hall

Margaret M. McCaughan, who has served the President's Office and the Secretariat for several years, has accepted an academic appointment in the Faculty of Business Administration and Commerce. I shall miss very much her loyal support in my office, but it delights me that she has chosen an academic career at this University. The position of Executive Assistant to the President will not be filled. Ellen Solomon will report to me as Supervisor of the Secretariat as well as Secretary of GFC. Florence Watters will be Coordinator of PPC as well as Executive Assistant to the Vice-President (Academic); Brian Silzer will assist me on a number of matters in addition to his duties of Administrative Director of the Board; Ms. McCaughan will continue to serve as Coordinator of Student Disciplinary Appeals (on a part-time basis); Al Paterson will serve as Secretary of Deans' Council and the President's Advisory Committee of Chairmen; and Mary Neden will continue to assist me in numerous secretarial and other matters as Administrative Assistant.

Many members of the University community will want to continue to consider as the University Grace the version we have had for so many years, and they must feel free to do so. Several colleagues and students have indicated to me that it would be desirable to have a version which would be more acceptable to individuals identified with a wide variety of religious communities.

I have received very helpful advice from several colleagues, especially from R. Buck of the Classics Department and former President Walter Johns. I am pleased to indicate that the following has been accepted as

the University Grace. It was said for the first time by Vice-President (Academic) Baldwin at a recent dinner in honor of members of the Board of Governors who have retired. The University Grace: *Hoc convivio firmati, praecepto nostrae universitatis parentes, constantius sequamur quaecumque vera.*

Refreshed by this meal and fellowship, obeying the precept of this University, let us pursue more steadfastly whatsoever things are true.

Amen.

M. Horowitz
President

A Date for NASA Members

Next Friday, 17 July, the Non-Academic Staff Association will hold its annual Klondike Breakfast in the Central Academic Building Cafeteria, from 7 a.m. to 10 a.m. As in past years there will be entertainment to accompany your sausage, pancakes, etc. This will be provided by the Klondike Association and there will also be

Ernie Towne on the "honky-tonk" piano.

The Klondike Breakfast will cost \$1.85, coffee included. So leave home early and get a breakfast that leaves the golden arches cold. All members of the University community are invited to join in the fun. □

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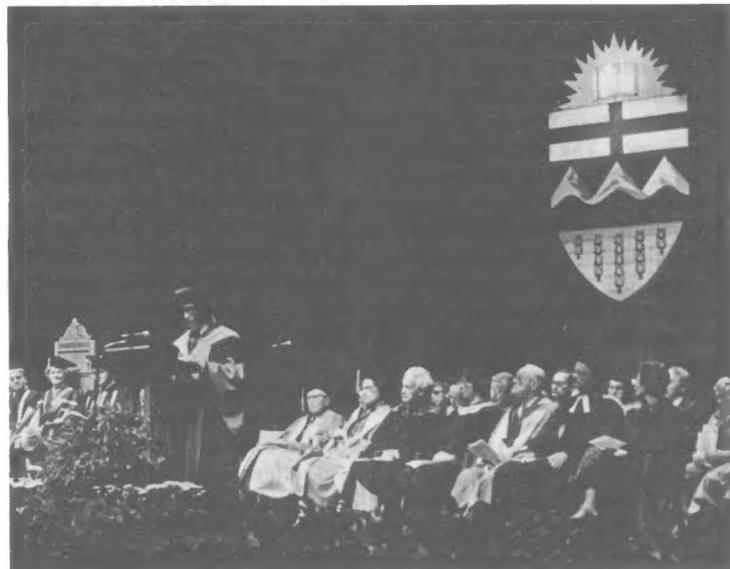
More Show and Less Tell: Baldwin Urges Action to Combat Indifference

The following article is a transcript of the report which Vice-President (Academic) George Baldwin presented to Spring Convocation on 4 June 1981. The report of the President has already appeared in Folio (11 June 1981) and the reports of Professor Leitch, Vice-President (Finance and Administration), and Dean Newbound of Science will appear in the August 1981 issue of Folio/New Trail.

"I'm mad as hell, and I'm not going to take it anymore." Do you remember that line from the movie *Network*? It was spoken by a national TV commentator who finally snapped under the day-in, day-out stress of having to live with the social madness of what he had to report as news. And it so caught on among his viewing audience that, across the land, frustrated and bedevilled people of all sorts would throw down their tools or fling open their windows and on sudden impulse shout his words in defiance of the injustice and waste and unconcern in the world around them.

I have lately come to share his feelings, though it would be inappropriate for me to express them here quite so violently. Even the Archbishop of Canterbury can swear on a golf course and presumably go unnoticed; but were he to invoke hell and damnation in the middle of a coronation ceremony because he had cut himself on the crown, he would get headlines—of the wrong sort. Remember "Fuddle duddle."

Convocation lends itself not at all to intemperate language, though I must tell you that my own particular bedevilment sorely tempts me. It is this: that at the same time as our staff are producing more vital research and doing more teaching at the forefront of knowledge than ever before—and are better qualified for the job than in decades—not only are they being paid progres-



sively less for what they do—that is, expected to give up more and more for the privilege of performing one of society's most important tasks—but they are also being subjected to another form of neglect even more costly.

Last year on this occasion I was moved to protest our being nudged back into an ivory tower by people who had their own reasons for wanting academics put in their place and not taken seriously. The work of our University psychiatrists and psychologists, criminologists and child-care specialists had just been described as "interference in the business of others."

It seemed to be worth reminding those who pay for our services that if we academics were indeed only to be tolerated as long as we stayed out of the way of real people and did our interminable talking only among ourselves or to youngsters who would soon outgrow us, then society could not in fact afford us—but that in actuality we were not and never had been the tweedy dottle-droppers of fiction and the movies, or absent-minded professors playing with our meccano and chemistry sets and periodically blowing ourselves up.

During the 'sixties, when we were in favor, people knew better, because after the arrival of Sputnik, they needed us, and badly. Suddenly, what the University could do was real—not just in the sciences and applied sciences but across the whole range of its activities, from foreign languages to rehabilitation medicine, from creative writing to civil engineering, from early childhood education to dental hygiene. Everything was in orbit that could be manned.

Where was the ivory tower then?

Lately, something more insidious seems to have taken its place, a thing more destructive by far in its potential. To give it a name—contemptuous indifference to us and what we have stood for throughout history, even when we escape from the ivory tower for a time and try to reassert our worth. Nobody seems to care much anymore what it is that we do in the name of higher education, as long as we produce just enough professionals to meet the needs of industry and the social system and thereby keep lobbyists off the backs of our politicians.

But the really ominous thing is that even here—in the readying

of our doctors and teachers and accountants for their professions—there appears to be no outside concern whatsoever for their getting out of the University what it, uniquely in our system, has to offer. There is a grudging admission that there is probably no escaping a dependence on us for dentists and engineers and pharmacists; but that is as far as it goes: there is no great readiness to help us accommodate these students within the mainstream of the University, no enthusiasm for their real potential, no joy in their academic promise. It is now even possible to contemplate a time when they might be hived off into institutions of their own, where graduates could be produced without the costly inconvenience of education.

Simply put, the respect for what we do has diminished at an alarming rate—even in the case of our professionals, who are described as prosaic and pedestrian and occupied primarily with cloning more technicians of one kind or another. As for the rest of us, we are ineffectual negativists inhabiting the left wing of a museum.

This would all be merely absurd if it were not so dangerous to the University, not because we need to be stroked as we were in the 'sixties—or in the 'thirties, say, when professors were looked up to for their learning and wisdom and sense of balance—but because as an expression of this apparent contempt for what we do, or at any rate monumental indifference to it, we are having our life lines cut—and that means the University is threatened in its traditional roles, indeed across the spectrum of its activities.

Now the "absurdity" becomes appalling because indifference has moved into neglect, destructive neglect, of the institution primarily charged by society with being concerned about its past values and future hopes.

Clearly, we must somehow get

through to people that we are hurting and that when we hurt, the community suffers. Apparently we can no longer do it by assuming that universities are understood as we in this place understand them. It will not be enough to explain that we take mortal wounds when we have to slash our support for graduate students, or deny academic positions to a generation of young Canadian scientists and humanists, or make it next to impossible for our staff to keep in contact with their fellows through travel, or increase the size of our classes even further while reducing the number of seminars drastically, or deprive some programs of a much-needed clinical component, or turn away qualified applicants from studies of their choice—all this while calling on our staff to make personal sacrifices.

It obviously will not be enough merely to announce that our 1,500 academics with an average age of 44, have an average salary (excluding the professional Faculties) of \$38,600 and that our junior professors are required to start at \$21,270 though they have spent at least as long as most

medical doctors or dentists in university acquiring their skills and rising to preeminence among their peers—simply in order to be considered for the few openings that do occur.

We have tried all this before, obviously to little avail. Apparently no one wants to hear a dreary litany of the troubles of others when they have so many of their own. The only thing that remains, I think, is to find a way of making it impossible for anyone to be indifferent to us, particularly the politicians, by demonstrating over and over again our commitment to excellence in what we do, the dedication of our superbly skilled staff, and the high quality of our students.

I do not myself pretend to know how we are in practice to do these things; but somehow, and soon, we must compel attention—less to our needs, this time, than to the invaluable contribution we can make. We must somehow make it politically profitable once again to invest in the universities by providing them with appropriate support.

This time 'round we must do it, apparently, through more show and less tell. □

Agricultural Nutrition Conference To Take Place in September

The Faculty of Extension, in collaboration with Alberta Agriculture and the Alberta Division of the Canadian Feed Industry Association, is to host The Second Western Nutrition Conference in Edmonton from 16 to 17 September next. The conference will take place immediately after the Alberta Feed Industry Conference on 15 September, and the venue will be the same: the Edmonton Inn.

The program of the nutrition conference has been geared to the interests of a wide number of people involved in the field: feed industry personnel, nutritionists, extension personnel, researchers, instructors, and graduate students.

The topics to be covered are equally far ranging. On 16 September, participants will be able to consider, for example, the validity of the National Research Council Nutrient Requirements, feeding programs for heavy turkeys, problems connected with cereal crops, winter feeding and feedlot performance, trace minerals, and current research dealing with poultry and beef. The following day, 17 September, conference delegates can delve into the mystery of water as a "forgotten nutrient," or think about protein and amino acids as they affect swine. They will also find out more about forage utilization, silages, protein

History of Post-Secondary Education in Alberta Now Between Covers

A concise history of the development of post-secondary education in Alberta has been published by Alberta Advanced Education and Manpower. *Access to Opportunity 1905-80*, which includes maps, charts and historical photographs, traces chronologically the growth of and changes in higher education since the inauguration of Alberta as a province.

"What we have attempted to do is provide an adequate perspective of the past 75 years for the planners and decision makers who will influence the future shape of the system. Policy planning in post-secondary institutions, though related to the future, must be carried out in the context of past decisions," said Desmond Berghofer, Assistant Deputy Minister of Program Services, Alberta Advanced Education and Manpower, and co-author of the book.

The other author, Alan Vladicka, is a graduate student in history at The University of Alberta. He researched and documented most of the data as a project while he was an administrative intern with the Department in 1978.

Convinced of the value of the documentation beyond departmental use, since no other such publication exists, it was decided to prepare an external publication.

digestion by ruminants, and will be able to learn about the latest research in the area of swine and dairy.

In all, the conference is expected to be of great interest to progressive agriculturalists and farmers who are involved in a wide range of operations.

Should people register before 15 August 1981, the cost will be a nominal \$57. After that date, the registration fee will be \$70. If readers wish to register both

With the assistance of ACCESS, work proceeded on verifying the data and writing the material in book form. Mr. Vladicka did extensive work on ordering the material into convenient reference format as well as providing additional material. Dr. Berghofer prepared the introduction and the last chapter, which synthesizes the lessons learned from the past and discusses the impact on the future of post-secondary education in the province.

The intent of the book is to focus on the development of government policy and to assess its impact on Alberta's system of advanced education, as well as stimulate more indepth analysis.

"Alberta has been transformed from an agricultural based, frontier society to a modern industrial state in the space of 75 years. That is a remarkable achievement. It would not have been possible had the provincial government placed less priority than it did on the development of a system of advanced education," said Dr. Berghofer.

Jim Horsman, Minister of Alberta Advanced Education and Manpower, said in presenting the book, "It is our hope that this book will be of interest to students, teachers, institutions and their boards, and our colleagues in other provinces." □

for the Western Nutrition Conference and for the convention organized by the Alberta Feed Industry, the combined cost will be \$100.

Registration information may be gained by writing to, or telephoning, Val Smyth, Faculty of Extension, The University of Alberta, 238 Corbett Hall, Edmonton, Alberta T6G 2G4. The telephone number is (403) 432-2406. □

The University and Education in Korea: Part I

In the last twelve months there has been a revolution in Korea, and a member of faculty of this University has been active in fomenting it. The revolution, however, has not resulted in a coup d'état. Far from it, for it is Korea's government that is spearheading the revolution to bring formal education to all of that country's people.

Last summer, C.Y. Oh, a Professor in the Department of Secondary Education, was engaged as a consultant to the Korean Educational Development Institute (KEDI) to evaluate its program of distance education and to make recommendations for its improvement. He made his recommendations and they have been acted on with dispatch.

Last September, KEDI began hiring some 250 technical people accustomed to the electronic and print media to develop a wide range of programs for radio and

television and as correspondence courses. Already, these people, recruited from the Korean Broadcasting System and elsewhere, have made their mark in the educational life of their country. For example, KEDI now produces over four hours of educational programming on television six days a week. There are three programs a week for pre-schoolers and, for people wishing to upgrade their education to the high school level, there is an impressive total of fourteen subjects now being taught through this medium. For those who need middle school experience, there are also many programs in general science, Korean language and culture, and ethics. Nor are the teachers left out. For them, there are programs concerned with the delivery of education and on how to improve their effectiveness. Radio is also a highly prized medium for distance education in Korea. At

one level alone, the primary level, KEDI manages to produce some five hours of broadcasting a day.

KEDI, then, has expanded greatly in the last twelve months and, in this Education Year in Korea, continues to expand its offerings. KEDI, a sort of nation-wide "ACCESS," has on its staff some twenty-three people who have gained doctorates abroad and it has sent a further eighty people overseas for advanced training and study. Who will train the people responsible for so much distance education? The answer to this question may be The University of Alberta.

According to a preliminary agreement between our Faculty of Education and KEDI, people are now being sent here from Korea to gain professional upgrading in the production of educational programs. For example, last month a group of

ten such professionals arrived here from Korea for an intensive three-week course. Of the nine men and one woman, two were people responsible for researching content for the distance education programs, four were television producers, one was a radio producer, and three were technicians responsible in their home country for video systems, lighting design and equipment.

Depending upon evaluation and the continuance of funding, more such groups are expected during the year and, should this Phase I pilot project be considered successful, Phase II will be implemented as a five-year project.

Our University's association with Korean educational institutions is off to a flying start. In next week's *Folio*, the "twinning" of our Faculty of Education with the College of Education of Chung-Ang University will be discussed. □



people

Bruce Bain, Department of Educational Psychology, chaired a recent CPA symposium and delivered a paper entitled "Sociogenesis: An Overview;" and Harry Garfinkle, Department of Educational Foundations, presented a paper entitled "The Sociogenesis of Conscience." The papers were presented on 5 June to the section on International and Cross Cultural Psychology, at the 42nd Annual Canadian Psychological Association convention meeting in Toronto.

M. Waida, Department of Religious Studies, organized and chaired a panel on shamanism at the annual meeting of the Canadian Society for the Study of Religion held in Halifax last May. He made a keynote address on "M. Eliade and W. Schmidt on Shamanism."

This Week's Quote

"We read the (University) Calendar cover to cover and that's no mean feat."

Source: W. Blanchard, Registrar, referring to Calendar proposals drawn up by his office and presented to the 29 June meeting of General Faculties Council. □

service information

Coming Events

Lectures and Seminars

Department of Biochemistry

9 July, 4 p.m. Dr. Izchak Z. Steinberg, Professor of Chemical Physics, Weizmann Institute of Science, Rehobot, Israel will present a lecture entitled "Biophysical Aspect of the Role of Calcium in Presynaptic Transmission." 4-70 Medical Sciences Building.

16 July, 4 p.m. Dr. Murray J. Goodman, Professor and Chairman of the Department of Chemistry at the University of California at San Diego, will speak on "Synthesis and Conformational Studies of Protein Model Systems." 4-70 Medical Sciences Building.

17 July, 11 a.m. Dr. Goodman will address "Carrier-Drug Conjugates—A New Class of Drug Design." 4-70 Medical Sciences Building.

Alberta Culture

24, 25, and 26 July. Advanced authors workshop featuring four professionals on Canadian writing. Queries to Alberta Culture, Film and Literary Arts, 12th Floor, CN Tower, 10004 104 Avenue, Edmonton, TSJ 0K5.

Music

South Side Folk Club

14 July, 8 p.m. The Battlefield Band from Britain. The Provincial Museum Theatre. Tickets at Mike's and HUB.

SUB Theatre

16 July, 8 p.m. Na Cabarfeidh, a Celtic band in concert. Tickets at SUB box office, and Mike's. 19 July. The Pakistan Association presents a cultural evening. Call 462-6895 or 427-7997 for information.

Films

Edmonton Public Library

Mondays, 12 noon. Brown bag cinema. Centennial Library Theatre. Admission free.

Provincial Museum

12 July, 2 p.m. "The Animals Nobody Loved." 15 July, 2 p.m. "Edmonton Klondike Days," "City at the Centre," "Edmonton, A City for All Seasons."

Edmonton Public Library
13 July. "Peasant's Pea Patch" and "Tut the Boy King." Centennial Library."

National Film Theatre
10, 12 July, 7:15 p.m. "Bad Timing." 9:20 p.m. "Small Escapes." 15, 16 July, 7:30 p.m. "Dear Inspector." 9:20 p.m. "Pourquoi Pas!"

Edmonton Film Society
13 July, 8 p.m. "Till Marriage Do Us Part." 20 July, 8 p.m. "El Super." Showing in Tory Theatre. Tickets at HUB, Woodwards, and at the door.

Exhibitions

Multicultural Heritage Centre
10 July - 31 August. Newfoundland and Labrador Cottage Crafts.

Special Events. Summer programs in Settlers' Cabin, children's crafts, pioneer crafts, working with wool and making homespun wool. Call 963-2777 to register.

Settlers' Cabin a "living museum" of pioneer and ethnic crafts.

Handicraft Store features work by local artisans.

Library and Archives with pioneer photographs, tapes and maps.

Homesteaders' Kitchen serves lunch daily (except Mondays) noon to 2 p.m., coffee and dessert 2 p.m. to 4 p.m., and dinner Thursday evening from 5:30 p.m. to 7 p.m.

The Heritage Centre is located at 5411 51 Street, Stony Plain. Telephone: 963-2777.

Ring House Gallery

28 June to 28 August. "Lansdowne Bird Paintings: 1958-1972" a collection of bird paintings by Victoria artist James Fenwick Lansdowne. (Gallery closed 1 July.)

Until 28 August. Carved wooden bowls in the shape of birds by Westcoast artist Bill Koochin.

Devonian Botanic Garden

The Garden will be open to the public from May to September as follows: Weekdays 10 a.m. to 4 p.m. Saturdays, Sundays and Public Holidays 12 noon to 6 p.m. Tours can be arranged by calling 987-3054.

Rutherford House,

11153 Saskatchewan Drive

The restored home of Alberta's first premier, A.C. Rutherford, is located on the University campus. Staff in period costumes show visitors through the house. Until Labor Day, open daily 10 a.m. to 8 p.m. Group tours may be arranged by calling 427-5708 at least one week in advance. Free.

Provincial Museum

Until 12 July. Chinese Canadian Heritage and Cultural Exhibition. Feature Gallery #2.

Continuing. "Canada!" a selection of photographs and poems from across the country. Orientation Gallery.

Ukrainian Cultural Heritage Village

The Village is open to the public 10 a.m. to 6 p.m. daily until 31 August. It is located 45 km. east of Edmonton on Highway 16, and admission is free.

University Special Collections
Until 4 September. "William Cowper, English Poet—250th Anniversary." B37 Cameron Library: Opening hours 8:30 a.m. to 4:30 p.m. Monday to Friday.

Alberta Natural Resources Science Centre

The Centre consists of six permanent pavilions with displays that describe and interpret how Alberta's natural resources are put to use. Opening hours are Saturdays and Sundays from 11 a.m. to 5 p.m. School tours are available Monday to Friday. Admission and parking are free. The Centre is located east of Edmonton at the new Strathcona Science Park. For further information and bookings phone 427-9490.

Theatre

Grant MacEwan Community College

9, 11, 12, 17, 19 July, 8 p.m. "A Funny Thing Happened On The Way To The Forum." 10, 12, 15, 16, 18 July, 8 p.m. "Pal Joey."

Performances in the Grant MacEwan College Theatre. Tickets available at the door.

Theatre 3

15 and 25 July. Peace Players present "Sorry 'Bout That." Information 426-6870.

Children's Events

Provincial Museum

Saturday mornings, 10 a.m. Crafts program. For information please call 427-1766.

Edmonton Public Library

Saturdays, 10 a.m. Children's Cinema. Centennial Library Theatre.

Saturdays, 1 p.m. Children's films and plays. Children's Library Theatre.

3-6 University Hall before 31 August 1981.

Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 3 July 1981.

Sales Clerk (\$830.15-\$893.47)—Bookstore Clerk Typist II (\$830.15-\$991.42)—Office of the Comptroller; Physiology; Romance Languages; Zoology; Housing and Food Services; Faculty of Graduate Studies and Research; Bookstore Clerk Steno II (\$861.22-\$1,030.83)—Surgery; Mechanical Engineering; History; Elementary Education; Faculty of Extension (part-time, recurring term); Economics

Library Clerk III (\$893.47-\$1,069.05)—Geography Senior Clerk (\$893.47-\$1,069.05)—Technical Services (Graphics Division); Parking Services

Switch Board Operator (\$893.47-\$1,069.05)—Administrative Services; Physical Plant (Telephone Communications)

Senior Financial Records Clerk (\$922.13-\$1,109.66)—Housing and Food Services; Office of the Comptroller

Clerk Typist III (\$922.13-\$1,109.66)—University Press; Central Stores

Student Records Processing Clerk (\$959.16-\$1,157.44)—Education—Student Records Office

Clerk Steno III (\$959.16-\$1,157.44)—Faculty of Nursing; Office of the Dean (Trust); Comparative Literature; Computing Science; Boreal Institute; Faculty of Extension

sion (2 positions); Political Science; East Asian Languages and Literatures; Education—Extended Practicum (recurring term); Faculté Saint-Jean; Dentistry; Drama; Mineral Engineering (2 positions)

Accounts Clerk (\$991.42-\$1,205.22)—Office of the Comptroller (2 positions)

System Control Clerk (\$991.42-\$1,205.22)—Parking Services

Data Entry Operator II (\$991.42-\$1,205.22)—Computing Services (2 positions)

System Control Clerk I (\$991.42-\$1,205.22)—Personnel Services and Staff Relations (2 positions); Parking Services

Assistant to the Buyer (\$515.42-\$628.89)—Purchasing (Part-time)

Medical Steno (\$515.42-\$628.89)—Medicine (Part-time)

Senior Financial Records Clerk (\$526.92-\$634.08)—Physiology (Part-time)

Payroll Clerk (\$1,069.05-\$1,309.14)—Office of the Comptroller

Library Assistant II (\$1,069.05-\$1,309.14)—Sociology

Administrative Clerk (\$1,069.05-\$1,309.14)—Physical Education; Physical Plant (Telecommunications); Personnel Services and Staff Relations

Secretary (\$1,069.05-\$1,309.14)—Dean of Agriculture and Forestry; Physics; Cardiac Care Evaluation (Trust)

Departmental/Executive Secretary (\$1,205.22-\$1,484.74)—Physical Education; Senate

Building Services Worker I (\$654.57-\$808.67)—Physical Plant (Building Services, Part-time)

Art Technician Demonstrator I (\$654.57-\$808.67)—Art and Design (part-time, 2 positions)

Laboratory Assistant II (\$861.22-\$1,030.83)—Provincial Laboratory

Laboratory Assistant II/III (\$861.22-\$1,157.44)—Pharmacology

Programmer/Analyst III (\$881.51-\$1,097.97)—Psychology (Part-time)

Building Services Worker II (\$959.16-\$1,157.44)—Building Services (Physical Plant); Housing and Food Services (Days)

Computer Assistant II (\$991.42-\$1,205.22)—Computing Services

Storeman II (\$1,030.83-\$1,257.77)—Central Stores

Storeman II/III (\$1,030.83-\$1,257.77)—Technical Services (Equipment Inventory)

Technician I (\$1,069.05-\$1,309.14)—Provincial Laboratory; Mechanical Engineering (Term); Medicine (Trust); Home Economics (2 Positions); Paleontological Collections (Geology)

Chemical Technician I (\$1,069.05-\$1,309.14)—Animal Science (Trust)

Farm Technician I (\$1,069.05-\$1,309.14)—Animal Science

Building Services Worker III (\$1,069.05-\$1,309.14)—Physical Plant (Building Services)

Technician I/Technologist I (\$1,069.05-\$1,484.74)—Medicine (Trust)

Civil Engineering Technician I/II (\$1,069.05-\$1,484.74)—Civil Engineering (Trust)

Control Centre Operator I (\$1,109.66-\$1,365.29)—Physical Plant (Operations)

Engineering Technologist I (\$1,157.44-\$1,423.29)—Physical Plant (Energy Management) (Term)

Laboratory Technologist I (\$1,205.22-\$1,484.74)—Provincial Laboratory (2 Positions)

Security Officer I (\$1,205.22-\$1,484.74)—Campus Security (2 Positions)

Chemical Technician II (\$1,205.22-\$1,484.74)—Civil Engineering (Trust)

Electron Microscope Technician II (\$1,205.22-\$1,484.74)—Pathology

Biochemistry Technologist I (\$1,205.22-\$1,484.74)—Biochemistry (Trust)

Electronics Technician II/III (\$1,309.14-\$1,843.07)—Electrical Engineering

Draftsman II (\$1,257.77-\$1,550.43)—Design and Construction

Dental Hygienist (\$1,309.14-\$1,617.33)—University Health Service (Term)

Nurse (\$1,309.14-\$1,617.33)—University Health Service

Electronics Technician II (\$1,309.14-\$1,617.33)—Chemistry

Art Technician Demonstrator (\$1,309.14-\$2,101.07)—Art and Design

Histology Technician III (\$1,365.29-\$1,690.17)—Dentistry (Trust)

Maintenance Worker II (\$1,365.29-\$1,690.17)—Athletic Services

Engineering Technologist III (\$1,484.74-\$1,843.07)—Design and Construction; Operations and Energy Management

Art Technician/Demonstrator II (\$1,484.74-\$1,843.07)—Drama

Programmer/Analyst II (\$1,484.74-\$1,843.07)—Office of Administrative Systems (3 Positions)

Programmer/Analyst II/III (\$1,484.74-\$1,843.07)—Office of the Registrar

Senior Coordinator (\$1,484.74-\$1,843.07)—Office of the Registrar

Farm/Ranch Manager I (\$1,550.43-\$1,924.31)—Soil Science

Interior Designer II (\$1,617.33-\$2,009.10)—Design and Construction

Building Superintendent (\$1,617.33-\$2,009.10)—Physical Plant (Building Services)

Engineering Technologist IV (\$1,690.17-\$2,101.07)—Physical Plant (Energy Management)

Plant Operator II (\$1,690.17-\$2,101.10)—Physical Plant (Cooling Plant)

Buyer II (\$1,690.17-\$2,195.45)—Purchasing

Programmer/Analyst III (\$1,763.03-\$2,195.45)—Office of Administrative Systems (2 positions)

Programmer/Analyst IV (\$2,101.07-\$2,629.04)—Office of Administrative Systems (2 positions); Educational Research

Controlsfitter (\$2,312.27/month)—Physical Plant (Maintenance)

Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date

Campus Tours

Commencing July 6

Guided walking tours of The University of Alberta campus will be offered each day during the months of July and August.

Weekdays: 10:30 a.m., 1:30 p.m.

Saturday and Sundays: 1:30 p.m.

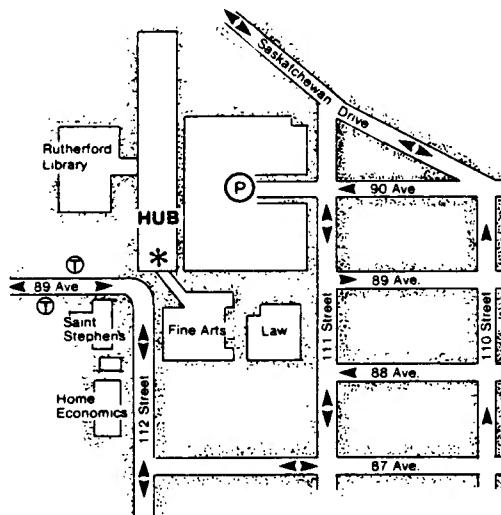
Tours begin at the south end of the HUB shopping concourse and are approximately 1½ hours in length.

For more information: Office of Community Relations
432-2325

* Tour starts here

T Transit Zones

P Entrance to parking



also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an alteration is made. Advertisements cannot be accepted over the telephone.

Accommodations available

For sale—Garneau Gardens. 10611 84 Ave. Luxury condominiums. 2½% below prime financing. Underground parking, fireplaces, six appliances. Solarium windows. Possession 1 July. Two floor plans. Debra Lozinski 435-4869. Royal Trust. Share—Modern house, with male, \$300, three bedroom, two baths. 469-1179 evenings. For sale—Grandview. Attractive, split-level home. Excellent location facing University farm. Lovely mature landscaping. Good potential. Price \$172,800. Call Faye Lund. Block Bros. Realty. 436-4240, 487-2422. For sale—Owner. Three bedroom condominium. Blue Quill. \$58,800 (\$43,500, 10½%, 1983). 435-1853 evenings. For rent—Room in comfortable co-op house. Close to University. Large backyard, many amenities. 434-0990. For sale—Garneau. Two-storey, original woodwork, hardwood floors, stained glass windows, three bedrooms (dormer) \$61,300 mortgage at 11½% till 1984. Call Pat Tietzen at A.E. LePage 437-7480 or res. 434-4825. For sale—Rebuilt, attractively decorated, three bedroom, two-storey, garage, beautiful garden, close to University, downtown, priced under \$175,000. Eleanor Duncan 434-7368, Terri MacDonald 436-3988, Potter Realty 436-3050. For sale—Saskatchewan Drive, Windsor Park, three bedroom, two storey, double garage, nice condition, featuring magnificent city view lot, \$350,000. Eleanor Duncan 434-7368, Terri MacDonald 436-3988, Potter Realty 436-3050. For sale—Well established flower shop in good S.W. location. Ideal for owner operator looking for new opportunity. \$23,000 plus stock.

Call 438-1010, Dianne Hanna 464-7500, pager #21531. Allan Real Estate.

For rent—1,300 sq. ft., 2/3 bedroom home, five appliances, 1½ baths, single garage, large garden. Available 2 August. \$725. Ten min. walk to University. 432-5285, 437-2807. References required.

For sale—Lexington Green. Spacious, two-storey condominium. Good access to campus. Tastefully decorated. Open fireplace, patio, electric opener in garage. Three appliances include. Call Clair 487-0994, 429-0529.

For rent—Near U of A. Cosy bungalow, all appliances. Main level: five rooms, bath. Basement: large, bright, three room suite, bath. References required. Available 1 August. 433-0018 after 5:30 p.m.

For rent—Windsor Park. Adjoining campus. 1½ storey, two bedroom, unfurnished house, 1 August. 433-3533, after 6 p.m.

For sale—\$83,900. Cute bungalow, five minutes from University. Lovely, large lot. Excellent starter home or investment property. For further details call Barry 463-7501, 433-0125. Royal Trust.

Accommodations wanted

Visiting professor and wife require furnished house or main floor suite for a year beginning August. No children, no pets. Local sabbatical house references available. 433-5058. House wanted to buy, walking distance to University, preferably in Windsor Park. Call 433-7567 after 5 July.

Automobiles and others

1976 Rabbit. Available after 20 July. \$3,000. 432-4101, 439-2114. 1974 Jeep Wagoneer 4WD quadratrac, 65,000 miles, excellent condition. \$2,900. 434-6868.

Goods for sale

Antiques; furniture, porcelain, glass, jewellery, silver, collectibles. Appraisals executed for insurance and identification. 12-5 p.m. Mary Goulden Antiques, 10437 142 St. 453-2008, res. 452-8549. Dog barrier for station wagon, 484-6300 after 6 p.m. 10-12 year old Inglis washer, gas dryer working perfectly. \$275.

437-2807. Moving, must sell Baldwin baby grand piano. Excellent condition. 434-7508.

Services

Donnic Typing Services Ltd. Specializing in word processing. 301A 10454 Whyte Avenue. 432-1419.

Kozak Business Services: Complete typing service available. Student discount. #305, 9924 106 Street. 433-3068, 487-1885.

Singing teacher, Eileen Turner. 439-4661. Typing on word processor. Call Darlene 452-1074.

Typing and photocopying at mark 9, 9004 112 St. HUB Mall. Experienced

thesis typists. 432-7936.

Babysitter wanted—in Windsor Park, near University residences—for 2½ year old girl—four hours/day, Monday-Friday. \$250/month, Sept.-April Call Denise 432-0806.

Music lessons: theory, harmony, history, ear training. Liz Smolec 452-7680. School French Alliance still has opening (20-31) July and (5-17) August. Intensive French courses for adults and children, all levels. Phone 433-7946.

Flute lessons for beginner wanted, 433-7798.

Lady will cook for freezers, etc. up to 15 catered for. Phone 438-3712.

GARNEAU MEWS

25% Sold

*Quarry Tile entries
Luxury appliances
Skylights
Vaulted ceilings*

Prices from \$125,000

*Solid oak cupboards
and vanities
Bay windows
Private yards or
balconies
Brick fireplaces*

Information Centre

8327 112 Street
433-1411

2-8 p.m. Monday-Thursday
1-5 p.m. Saturday-Sunday

Chuck Newhouse Builders Ltd. Home Energy Conservation Specialists

- Home Energy Analysis
- Manufacturers of *Thermo-Vest*—Hot Water heater insulating vest
- General Contractors: renovations, additions, new construction

Phone: 478-2885

After hours: 475-0965